

Title (en)

CORNEAL TOPOGRAPHY MEASUREMENTS AND FIDUCIAL MARK INCISIONS IN LASER SURGICAL PROCEDURES

Title (de)

HORNHAUTTOPOGRAPHIEMESSUNGEN UND MESSMARKENEINSCHNITTE BEI LASERCHIRURGISCHEN EINGRIFFEN

Title (fr)

MESURES TOPOGRAPHIQUES CORNÉENNES ET REPÈRES D'ALIGNEMENT D'INCISIONS DANS DES PROCÉDURES DE CHIRURGIE AU LASER

Publication

EP 3206644 A1 20170823 (EN)

Application

EP 15788279 A 20151016

Priority

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Abstract (en)

[origin: WO2016061454A1] A method of cataract surgery in an eye of a patient includes identifying a feature selected from the group consisting of an axis, a meridian, and a structure of an eye by corneal topography and forming fiducial mark incisions with a laser beam along the axis, meridian or structure in the cornea outside the optical zone of the eye. A laser cataract surgery system a laser source, a topography measurement system, an integrated optical subsystem, and a processor in operable communication with the laser source, corneal topography subsystem and the integrated optical system. The processor includes a tangible non-volatile computer readable medium comprising instructions to determine one of an axis, meridian and structure of an eye of the patient based on the measurements received from topography measurement system, and direct the treatment beam so as to incise radial fiducial mark incisions.

IPC 8 full level

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See references of WO 2016061454A1

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